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Ser PEO C4I/274

JUN 1 4 2004

From: Program Executive Officer, Command, Control,
Communications, Computers and Intelligence and Space

Subj: SOFTWARE MAINTENANCE POLICY

Ref: (a) Net-centric Enterprise Solutions for Interoperability
(NESI) Net-centric Implementation Framework (N2IF)
Document Set

1. <u>Purpose</u>. This document establishes PEO C4I and Space policy
on all software maintenance releases (i.e. STR fixes,
enhancements). Program Managers and DoN contractors shall
follow the guidance as set forth in the Net-centric Enterprise
Solutions for Interoperability (NESI) Net-centric Implementation
Framework (N2IF). These guidelines present a technical
implementation framework for use by Program Managers and DoN
contractors for building information systems conforming to the
Network Centric Warfare (NCW) environment.

2. <u>Background</u>. To increase integration and interoperability of
C4I systems across the DoD, standardized software application
development guidance needs to be created, agreed upon, and
implemented. NESI is the PEO C4I and Space, ESC Hanscom, and
COMSPAWARSYSCOM collaborative effort to develop and implement
this guidance for C4I systems. This guidance is consistent with
and incorporates the concepts of FORCEnet and facilitates
alignment with the ASD (NII) Net-Centric Checklist. The NESI
effort will consolidate PEO C4I and Space's Reusable Application
Integration and Development Standards (RAPIDS) and ESC's Command
and Control Enterprise Reference Architecture (C2ERA). This
collaboration between the Navy and Air Force defines the
software application development standards to be followed, at a
minimum, by Navy and Air Force C4I programs.

This policy and guidance is effective immediately for all
programs undergoing software maintenance or refresh activity.
Software maintenance can be defined as four activities:

    a. Corrective maintenance to diagnose and correct errors;
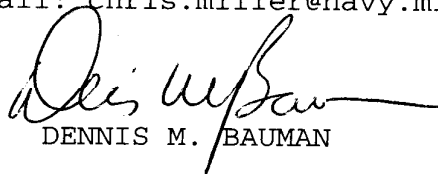
Subj: SOFTWARE MAINTENANCE POLICY

    b. Adaptive maintenance that modifies software or hardware to properly interface with a changing environment;

    c. Perfective maintenance for adding new capabilities, modifying existing functions and making general enhancements; and

    d. Preventive maintenance to improve future maintainability or reliability, or to provide a better basis for future enhancements.

The objective of this policy is to utilize planned maintenance actions to facilitate migration towards NCW readiness. Reference (a) provides guidance that programs should follow and implement in conjunction with existing maintenance actions.

3. Procedures. Program Managers are responsible for establishing their own procedure for determining which network-centric migration actions will be included while performing maintenance actions.

    a. Each PMW shall review all maintenance actions to determine applicability with reference (a).

    b. For every applicable/appropriate maintenance action, Program Managers will build a strategy to comply with reference (a).

    c. For maintenance actions deemed not appropriate, Program Managers may request a waiver from the PEO. Waiver format will be provided SEPCOR.

    d. This PEO C4I and Space policy is valid until otherwise specified.

    e. The Program Executive Officer, C4I and Space, is the approval authority for compliance with reference (a).

4. Inquiries on this subject should be directed to Mr. Chris Miller at (858) 537-0613 or email: chris.miller@navy.mil.

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Distribution: (See next page)
PMW 101/159
PMW 150

Subj: SOFTWARE MAINTENANCE POLICY

Distribution: (Cont'd)
PMW 151
PMW 156
PMW 157
PMW 161
PMW 165
PMW 166
PMW 173
PMW 176
PMW 179
PMW 189
COMSPAWARSYSCOM (Codes 00, 02)